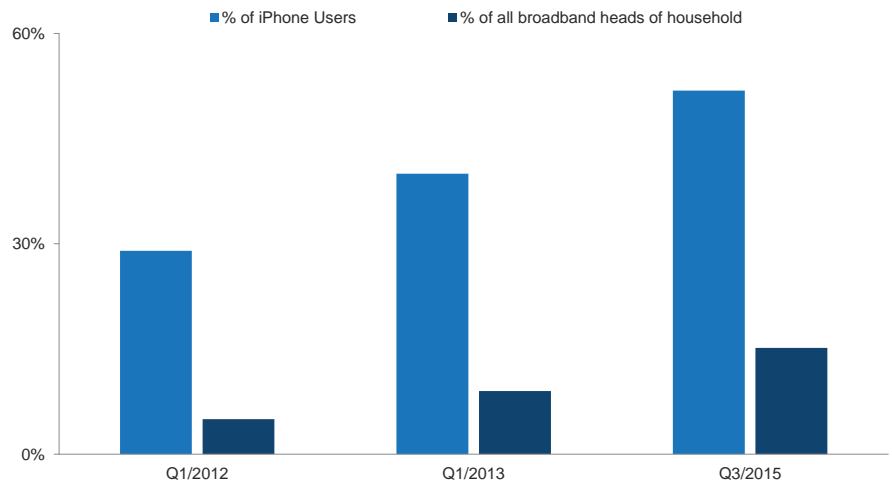


Synopsis

Connectivity is changing the game. Smart products are adding sensors, and value-added services are disrupting traditional markets. This report highlights the trends and disruptive forces shaping the smart home market, including a detailed review of new players in the leading categories of smart home products.

Use of the "Siri" Voice Features (2012-2015)



© Parks Associates

Publish Date: 4Q 15

“As smart home and IoT products gain a foothold in consumer homes around the world, companies continue to innovate, hoping to drive new experiences and greater adoption of the next generation of products. Innovations range from improving current technologies now being deployed to developing future technologies that are being refined in the lab. As smart home and IoT product makers and service providers plan for the future, each must consider the opportunities and risks involved in these new areas of innovation,” said Tricia Parks, Founder and CEO.

Contents

Dashboard

1.0 Report Summary

- 1.1 Purpose of Report
- 1.2 Scope of Report
- 1.3 Research Approach/Sources

2.0 Introduction

3.0 Innovation and the Internet of Things

4.0 Haptics: Bringing Touch to the Smart Home

- 4.1 Current Applications for Haptics
- 4.2 Haptics Technology and Innovation
- 4.3 Trends in Haptics
- 4.4 Haptics Success Factors
- 4.5 Future Smart Home Opportunities in Haptics
- 4.6 Haptics Company Profile

5.0 Vision-Driven Innovations: The Smart Home Sees You

- 5.1 Vision Analysis and Control
 - 5.1.1 Trends in Vision Analysis and Control
 - 5.1.2 Success Factors for Vision Analysis and Control
 - 5.1.3 Future Smart Home Opportunities for Vision Analysis and Control
- 5.2 Facial / Body Reading
 - 5.2.1 Trends in Facial / Body Reading
 - 5.2.2 Success Factors for Facial / Body Reading
 - 5.2.3 Future Smart Home Opportunities for Facial / Body Reading
- 5.3 Motion and Gesture Control
 - 5.3.1 Trends in Gesture Control
 - 5.3.2 Success Factors for Gesture Control
 - 5.3.3 Future Smart Home Opportunities for Gesture Control
- 5.4 Eye Tracking
 - 5.4.1 Trends in Eye Tracking
 - 5.4.2 Success Factors for Eye Tracking
 - 5.4.3 Future Smart Home Opportunities for Eye Tracking
- 5.5 Vision-Driven Innovation Company Profiles

6.0 Voice: The Smart Home is Listening—and Talking

- 6.1 Current Applications for Audio Analytics
- 6.2 Trends in Audio Analytics
- 6.3 Voice Analytics Success Factors
- 6.4 Future Smart Home Opportunities for Voice
- 6.5 Voice Analytics Company Profiles

7.0 Neural Technologies: Control by Thought

- 7.1 Current Applications for Neural Analytics
- 7.2 Trends in Neural Analytics
- 7.3 Success Factors for Neural Controls
- 7.4 Future Smart Home Opportunities for Neural Sensors & Controls
- 7.5 Neural Technology (Bioinformatic) Company Profiles

8.0 Forecasts for Smart Home Innovation

- 8.1 Growth Assumptions for Smart Home Interface Innovations Forecast
 - 8.1.1 Haptics Forecast Assumptions
 - 8.1.2 Gesture Forecast Assumptions
 - 8.1.3 Eye Tracking Forecast Assumptions
 - 8.1.4 Facial / Body Visual Recognition Forecast Assumptions
 - 8.1.5 Voice Recognition & Control Forecast Assumptions

9.0 Appendix

- 9.1 Glossary
- 9.2 Index
- 9.3 Image Sources

Figures

Companies Interviewed or Researched for Report
Smart Home Product Value Progression
AT&T Digital Life, Courtesy of Broadband Trends

Innovation in Smart Home Products
Table of Contents

By Tricia Parks, CEO, and Brett Sappington, Director, Research

Novasentis Profile
 Ubiquilux Profile
 Affectiva Profile
 Tend Insights Profile
 ArcSoft Profile
 XYZ Interactive Technologies Profile
 Atheer Labs Profile
 Apical Profile
 Eye Tribe Profile
 Siri Use, 2012-2015
 CastleOS Profile
 ivee Profile
 Sensory Profile
 Emotiv Profile
 NeuroSky Profile
 Forecast – Percentage of U.S. Broadband Households with Leading Smart Home Products
 Forecast for Popular Smart Home Device Purchases
 Parks Associates' Curve for the Adoption of Innovative User Technologies

Attributes	
<p>Parks Associates 15950 N. Dallas Pkwy Suite 575 Dallas TX 75248</p> <p>800.727.5711 toll free 972.490.1113 phone 972.490.1133 fax</p> <p>parksassociates.com sales@ parksassociates.com</p>	<p>Authored by Tricia Parks and Brett Sappington Executive Editor: Jennifer Kent Published by Parks Associates</p> <p>© December 2015 Parks Associates Dallas, Texas 75248</p> <p>All rights reserved. No part of this book may be reproduced, in any form or by any means, without permission in writing from the publisher.</p> <p>Printed in the United States of America.</p> <p>Disclaimer Parks Associates has made every reasonable effort to ensure that all information in this report is correct. We assume no responsibility for any inadvertent errors.</p>